

Title (en)  
A NOVEL PHTALAZINONE DERIVATIVES AND MANUFACTURING PROCESS THEREOF

Title (de)  
NEUARTIGE PHTALAZINONDERIVATE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
NOUVEAUX DÉRIVÉS DE PHTHALAZINONE ET LEUR PROCÉDÉ DE FABRICATION

Publication  
**EP 3030557 A4 20170322 (EN)**

Application  
**EP 14843941 A 20140912**

Priority  
• KR 20130110170 A 20130913  
• KR 20140120152 A 20140911  
• KR 2014008523 W 20140912

Abstract (en)  
[origin: WO2015037939A1] The present invention relates to phthalazinone derivatives, including pharmaceutical compositions and for the preparation of phthalazinone derivatives. And more particularly the present invention provided a pharmaceutical composition of phthalazinone derivatives for inhibiting activity of the Poly(ADP-riboside) polymerase enzyme.

IPC 8 full level  
**C07D 401/14** (2006.01); **A61K 31/501** (2006.01); **A61P 35/00** (2006.01); **C07D 403/10** (2006.01); **C07D 403/14** (2006.01); **C07D 417/14** (2006.01)

CPC (source: EP KR US)  
**A61K 31/501** (2013.01 - KR); **A61K 31/502** (2013.01 - EP US); **A61K 31/506** (2013.01 - EP US); **A61P 35/00** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07D 401/14** (2013.01 - EP KR US); **C07D 403/08** (2013.01 - US); **C07D 403/10** (2013.01 - EP KR US); **C07D 403/14** (2013.01 - EP US); **C07D 417/14** (2013.01 - EP US)

Citation (search report)  
• [A] WO 2013078771 A1 20130606 - CHENGDU DI AO PHARMACEUTICAL GROUP CO LTD [CN] & EP 2799435 A1 20141105 - CHENGDU DI AO PHARMACEUTICAL GROUP CO LTD [CN]  
• [AD] WO 2004080976 A1 20040923 - KUDOS PHARM LTD [GB], et al  
• [A] GUI-DONG ZHU ET AL: "Discovery and SAR of orally efficacious tetrahydropyridopyridazinone PARP inhibitors for the treatment of cancer", BIOORGANIC & MEDICINAL CHEMISTRY, PERGAMON, GB, vol. 20, no. 15, 11 June 2012 (2012-06-11), pages 4635 - 4645, XP028428220, ISSN: 0968-0896, [retrieved on 20120619], DOI: 10.1016/J.BMC.2012.06.021  
• See references of WO 2015037939A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2015037939 A1 20150319**; AU 2014319132 A1 20160211; AU 2014319132 B2 20160707; AU 2014319132 C1 20200903; BR 112016004979 A2 20200512; BR 112016004979 B1 20230110; CA 2923614 A1 20150319; CA 2923614 C 20170627; CN 105793248 A 20160720; CN 105793248 B 20190816; DK 3030557 T3 20230904; EP 3030557 A1 20160615; EP 3030557 A4 20170322; EP 3030557 B1 20230531; ES 2953834 T3 20231116; FI 3030557 T3 20230821; HK 1224280 A1 20170818; HR P20230998 T1 20231208; HU E062770 T2 20231228; IL 244548 A0 20160421; IL 244548 B 20201029; JP 2016534143 A 20161104; JP 6180643 B2 20170816; KR 101670126 B1 20161027; KR 20150031196 A 20150323; LT 3030557 T 20230911; MX 2016002998 A 20160602; MY 195343 A 20230113; PL 3030557 T3 20231016; PT 3030557 T 20230904; RS 64477 B1 20230929; RU 2016108038 A 20170907; RU 2636585 C2 20171124; SG 11201600549T A 20160226; SI 3030557 T1 20231130; US 2016222003 A1 20160804; US 2017182045 A1 20170629; US 9682973 B2 20170620; US 9844550 B2 20171219; US RE49338 E 20221220

DOCDB simple family (application)  
**KR 2014008523 W 20140912**; AU 2014319132 A 20140912; BR 112016004979 A 20140912; CA 2923614 A 20140912; CN 201480049174 A 20140912; DK 14843941 T 20140912; EP 14843941 A 20140912; ES 14843941 T 20140912; FI 14843941 T 20140912; HK 16110282 A 20160830; HR P20230998 T 20140912; HU E14843941 A 20140912; IL 24454816 A 20160311; JP 2016542643 A 20140912; KR 20140120152 A 20140911; LT 14008523 T 20140912; MX 2016002998 A 20140912; MY PI2016700730 A 20140912; PL 14843941 T 20140912; PT 14843941 T 20140912; RS P20230721 A 20140912; RU 2016108038 A 20140912; SG 11201600549T A 20140912; SI 201432038 T 20140912; US 201415021336 A 20140912; US 201416447174 A 20140912; US 201715455631 A 20170310